

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**REVOCATION OF POWER OF ATTORNEY AND NEW POWER  
OF ATTORNEY BY ASSIGNEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: the following matters:

| <b>Atty.<br/>Docket No.</b> | <b>Serial No.</b> | <b>Patent No.</b> | <b>Reel / Frame</b>            |
|-----------------------------|-------------------|-------------------|--------------------------------|
| UM-14735                    | 11/776,395        |                   | 012480 / 0604<br>012479 / 0150 |
| UM-14712                    | 11/824,870        |                   | 013888 / 0427                  |
| UM-14675                    | 11/820,616        |                   | 013129 / 0631                  |
| UM-14668                    | 11/820,377        |                   | 016741 / 0568                  |
| UM-14667                    | 11/818,766        |                   | 016727 / 0730                  |
| UM-14654                    | 11/811,019        |                   | 013937 / 0978                  |
| UM-14624                    | 11/818,083        |                   | 013129 / 0631                  |
| UM-14596                    | 11/582,035        |                   | 01870 / 0899                   |
| UM-14595                    | 11/582,027        |                   | 01870 / 0903                   |
| UM-14592                    | 11/582,259        |                   | 018667 / 0287                  |
| UM-14588                    | 11/607,388        |                   | 018756 / 0887                  |
| UM-14586                    | 10/548,692        |                   | 016588 / 0936                  |
| UM-14585                    | 10/375,373        |                   | 04050 / 0444                   |

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| UM-14580 | 10/559,742 |  | 07666 / 0675   |
| UM-14577 | 11/807,434 |  | 014522 / 0709  |
| UM-14576 | 11/807,441 |  | 014522 / 0709  |
| UM-14575 | 11/807,423 |  | 014522 / 0709  |
| UM-14574 | 11/807,440 |  | 014522 / 0709  |
| UM-14573 | 11/807,422 |  | 014522 / 0709  |
| UM-14564 | 11/807,291 |  | 011328 / 0881  |
| UM-14563 | 11/807,040 |  | 011328 / 0881  |
| UM-14473 | 11/788,489 |  | 012480 / 0604<br>012479 / 0150   |
| UM-14412 | 11/789,999 |  | 014522 / 0709  |
| UM-14365 | 11/726,269 |  | 013410 / 0032  |
| UM-14338 | 11/662,103 |  | 016192 / 0300  |
| UM-14320 | 11/714,588 |  | 014522 / 0709  |
| UM-14193 | 11/708,885 |  | 019751 / 0555  |
| UM-14191 | 11/708,895 |  | Assignment filed 6/27/07, no<br>reel and frame provided yet by<br>PTO. |
| UM-14168 | 11/715,767 |  | 012739 / 0881  |
| UM-14167 | 11/709,623 |  | 019722 / 0902  |
| UM-14128 | 11/715,642 |  | 017022 / 0332  |

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| UM-14111 | 11/708,858 |  | 019689 / 0753  |
| UM-14073 | 11/651,808 |  | Assignment filed 8/10/07, no reel and frame provided yet by PTO. |
| UM-14070 | 11/651,214 |  | Assignment filed 5/29/07, no reel and frame provided yet by PTO. |
| UM-14045 | 11/655,413 |  | 019469 / 0874  |
| UM-14044 | 11/753,191 |  | 012480 / 0604<br>012479 / 0150                                   |
| UM-14025 | 11/643,443 |  | 014898 / 0054  |
| UM-14024 | 11/643,614 |  | 014522 / 0695  |
| UM-14001 | 11/649,595 |  | 014727 / 0442  |
| UM-13481 | 11/726,219 |  | 016900 / 0234  |
| UM-13457 | 11/601,895 |  | 019253 / 0936  |
| UM-13449 | 11/647,006 |  | 012480 / 0604<br>012479 / 0150                                   |
| UM-13436 | 11/592,087 |  | 018885 / 0618  |
| UM-13404 | 11/591,324 |  | 018842 / 0247  |
| UM-13403 | 11/643,211 |  | 013792 / 0948  |
| UM-13295 | 11/591,019 |  | 019360 / 0876  |
| UM-13293 | 11/585,492 |  | 011328 / 0881  |
| UM-13275 | 11/607,780 |  | 019434 / 0154  |
| UM-13271 | 11/542,576 |  | 018894 / 0367  |

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| UM-13270 | 11/545,586 |  | Assignment filed 1/29/07, no reel and frame provided yet by PTO. |
| UM-13251 | 11/529,869 |  | 012480 / 0604<br>012479 / 0150                                   |
| UM-13248 | 10/594,200 |  | Assignment filed 7/27/07, no reel and frame provided yet by PTO. |
| UM-13219 | 11/523,305 |  | 013843 / 0466  |
| UM-13218 | 11/519,248 |  | 018810 / 0696  |
| UM-13217 | 11/517,659 |  | 013610 / 0969  |
| UM-13212 | 11/523,509 |  | 019510 / 0486  |
| UM-13082 | 11/507,084 |  | 011669 / 0827  |
| UM-13081 | 11/506,442 |  | 015315 / 0738  |
| UM-13076 | 11/503,742 |  | 018494 / 0579  |
| UM-13054 | 11/498,669 |  | 018631 / 0433  |
| UM-13034 | 11/496,317 |  | 018794 / 0004  |
| UM-13027 | 11/488,291 |  | 018415 / 0839  |
| UM-12040 | 11/451,204 |  | 018312 / 0698  |
| UM-12037 | 11/451,774 |  | 018810 / 0596  |
| UM-12036 | 11/451,773 |  | 018810 / 0668  |
| UM-12031 | 11/519,397 |  | 018804 / 0523  |
| UM-12017 | 11/447,836 |  | 018255 / 0250  |

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| UM-12011 | 11/445,415 |           | 018216 / 0781  |
| UM-10939 | 11/406,156 |           | 018332 / 0632  |
| UM-10907 | 11/397,974 |           | 018064 / 0413  |
| UM-10799 | 11/361,149 |           | 018063 / 0006  |
| UM-10792 | 11/360,485 |           | 018534 / 0625  |
| UM-10743 | 11/437,905 |           | 017150 / 0595  |
| UM-10742 | 11/342,461 |           | 013529 / 0495  |
| UM-10741 | 11/343,797 |           | 013610 / 0879  |
| UM-10739 | 11/340,211 |           | 015704/0657  |
| UM-10721 | 11/331,240 |           | 014079 / 0792  |
| UM-10709 | 11/324,419 |           | 017775 / 0370  |
| UM-10668 | 11/403,316 |           | 018057 / 0793  |
| UM-10666 | 11/586,097 |           | Assignment filed 1/16/07, no<br>reel and frame provided yet by<br>PTO. |
| UM-10663 | 11/317,329 | 7,176,019 | 013129 / 0611  |
| UM-10657 | 11/318,799 |           | 017774 / 0150  |
| UM-10648 | 11/301,524 |           | 017990 / 0719  |
| UM-10647 | 11/301,138 |           | 012727 / 0270  |
| UM-10631 | 11/389,393 |           | 018012 / 0370  |

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| UM-10554 | 10/714,055 |           | 013860 / 0660                  |
| UM-10550 | 08/385,194 | 6,685,941 | 013860 / 0660                  |
| UM-10542 | 11/378,752 |           | 013529 / 0495                  |
| UM-10527 | 11/373,898 |           | 018064 / 0671                  |
| UM-10515 | 10/570,416 |           | 018879 / 0632                  |
| UM-10330 | 11/268,157 |           | 018836 / 0902                  |
| UM-10313 | 11/265,576 |           | 017780 / 0419                  |
| UM-10196 | 11/445,010 |           | 018289 / 0289                  |
| UM-10195 | 11/445,612 |           | 018289 / 0289                  |
| UM-10027 | 11/209,998 |           | 017418 / 0030                  |
| UM-10004 | 11/249,283 |           | 017770 / 0637                  |
| UM-09971 | 11/169,977 |           | 014413 / 0959                  |
| UM-09965 | 11/167,838 |           | 017387 / 0207                  |
| UM-09963 | 11/159,039 |           | 013792 / 0948                  |
| UM-09962 | 11/158,201 |           | 014701 / 0873                  |
| UM-09943 | 11/150,524 |           | 012480 / 0604<br>012479 / 0150 |
| UM-09942 | 11/150,073 |           | 012480 / 0604<br>012479 / 0150 |
| UM-09937 | 11/159,055 |           | 013792 / 0948                  |

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| UM-09915 | 11/176,719 |           | 017117 / 0246 |
| UM-09911 | 11/142,590 |           | 017096 / 0211 |
| UM-09899 | 11/145,861 |           | 017022 / 0332 |
| UM-09877 | 11/142,123 |           | 017104 / 0341 |
| UM-09791 | 11/110,228 |           | 016900 / 0234 |
| UM-09766 | 11/089,096 |           | 016727 / 0730 |
| UM-09752 | 10/527,781 |           | 017954 / 0727 |
| UM-09745 | 11/094,590 |           | 016741 / 0568 |
| UM-09737 | 11/084,411 |           | 013119 / 0858 |
| UM-09726 | 11/061,626 |           | 016613 / 0941 |
| UM-09724 | 11/057,353 |           | 014522 / 0709 |
| UM-09707 | 11/050,282 |           | 016740 / 0406 |
| UM-09694 | 11/011,450 |           | 012965 / 0077 |
| UM-09691 | 10/984,710 | 7,060,493 | 012697 / 0358 |
| UM-09651 | 10/964,536 |           | 013888 / 0427 |
| UM-09613 | 10/959,885 |           | 016343 / 0355 |
| UM-09489 | 11/052,444 |           | 016757 / 0978 |
| UM-09433 | 11/009,923 |           | 016681 / 0342 |

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| UM-09413 | 10/996,637 | 7,092,492 | 016421 / 0395 |
| UM-09194 | 10/935,333 |           | 016162 / 0847 |
| UM-09190 | 10/950,784 |           | 016391 / 0563 |
| UM-09159 | 10/921,742 |           | 016409 / 0248 |
| UM-09113 | 10/886,450 |           | 016162 / 0847 |
| UM-09098 | 10/909,035 |           | 016310 / 0405 |
| UM-09090 | 09/488,867 | 6,867,022 | 010825 / 0628 |
| UM-09064 | 10/864,207 |           | 017069 / 0956 |
| UM-09061 | 10/867,519 |           | 015881 / 0333 |
| UM-09032 | 10/845,799 | 7,244,557 | 015806 / 0666 |
| UM-09030 | 10/848,259 |           | 015806 / 0302 |
| UM-09027 | 10/844,216 |           | 016090 / 0052 |
| UM-09011 | 10/835,151 |           | 015897 / 0888 |
| UM-08967 | 10/848,637 | 7,173,010 | 015827 / 0441 |
| UM-08922 | 10/794,342 | 7,041,491 | 015704 / 0657 |
| UM-08918 | 10/795,535 |           | 015615 / 0544 |
| UM-08912 | 10/845,407 | 7,208,154 | 015830 / 0121 |
| UM-08901 | 10/781,362 |           | 015716 / 0731 |



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| UM-08794 | 10/779,404 |           | 015579 / 0308                  |
| UM-08780 | 10/807,531 |           | 015663 / 0484                  |
| UM-08764 | 10/798,470 |           | 015636 / 0315                  |
| UM-08737 | 10/767,325 |           | 012739 / 0881                  |
| UM-08725 | 10/755,594 | 7,135,611 | 015476 / 0957                  |
| UM-08723 | 10/756,068 |           | 015514 / 0617                  |
| UM-08483 | 10/765,743 |           | 015695 / 0896                  |
| UM-08477 | 10/729,156 |           | 015515 / 0284                  |
| UM-08469 | 10/720,417 |           | 014898 / 0054                  |
| UM-08443 | 10/701,871 |           | 015299 / 0159                  |
| UM-08441 | 10/699,941 |           | 015186 / 0097                  |
| UM-08410 | 10/686,417 |           | 015143 / 0403                  |
| UM-08388 | 10/670,065 |           | 015012 / 0125                  |
| UM-08378 | 10/343,692 | 7,115,360 | 012480 / 0604<br>012479 / 0150 |
| UM-08377 | 09/920,517 | 6,984,522 | 012480 / 0604<br>012479 / 0150 |
| UM-08351 | 10/654,532 |           | 014965 / 0129                  |
| UM-08333 | 10/648,512 |           | 014916 / 0279                  |
| UM-08332 | 10/660,056 | 7,048,856 | 017150 / 0595                  |

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| UM-08328 | 10/640,914 |           | 014896 / 0220 |
| UM-08325 | 10/639,263 | 7,169,594 | 014898 / 0054 |
| UM-08196 | 10/617,067 |           | 014727 / 0442 |
| UM-08192 | 10/634,114 |           | 015340 / 0960 |
| UM-08146 | 10/459,218 | 7,256,277 | 9222 / 0417   |
| UM-08138 | 10/452,184 |           | 014641 / 0621 |
| UM-08135 | 10/448,564 |           | 014578 / 0907 |
| UM-08131 | 10/444,198 |           | 014732 / 0169 |
| UM-08120 | 10/444,204 | 6,855,340 | 014522 / 0709 |
| UM-08117 | 10/431,956 | 7,078,461 | 015709/0023   |
| UM-08102 | 10/419,033 |           | 014413 / 0959 |
| UM-07884 | 10/427,211 | 7,186,712 | 014522/0695   |
| UM-07872 | 10/384,016 |           | 014353 / 0542 |
| UM-07869 | 07/710,558 |           | 6098 / 0698   |
| UM-07860 | 09/643,476 | 6,599,495 | 009222/0417   |
| UM-07859 | 10/193,524 |           | 009222/0417   |
| UM-07858 | 10/192,915 |           | 009222/0417   |
| UM-07857 | 09/369,912 | 6,492,504 | 009222/0417   |

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| UM-07856 | 09/285,379 | 6,451,765 | 009222/0417   |
| UM-07850 | 08/994,076 | 6,500,937 | 009222/0417   |
| UM-07820 | 10/669,865 |           | 015168 / 0670 |
| UM-07819 | 09/732,362 | 6,567,684 | 011568 / 0342 |
| UM-07806 | 10/345,802 |           | 014159 / 0423 |
| UM-07805 | 10/345,731 |           | 014023 / 0128 |
| UM-07745 | 10/364,748 |           | 014317 / 0647 |
| UM-07715 | 10/340,928 |           | 015308 / 0863 |
| UM-07579 | 10/343,267 |           | 014397 / 0773 |
| UM-07455 | 10/286,085 |           | 013937 / 0978 |
| UM-07447 | 10/273,476 | 7,253,271 | 013721 / 0742 |
| UM-07446 | 10/269,190 |           | 013760 / 0671 |
| UM-07440 | 10/408,643 |           | 014427 / 0324 |
| UM-07423 | 10/365,840 |           | 014688 / 0605 |
| UM-07420 | 10/244,855 | 7,202,045 | 013610 / 0969 |
| UM-07419 | 10/244,853 |           | 013566 / 0212 |
| UM-07418 | 10/244,854 |           | 013628 / 0857 |
| UM-07403 | 10/280,653 |           | 013792 / 0948 |

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| UM-07288 | 10/222,334 | 7,037,658 | 013529 / 0495                  |
| UM-07283 | 10/217,878 |           | 013511 / 0327                  |
| UM-07273 | 08/881,037 | 6,080,588 | 011328/0881                    |
| UM-07269 | 09/767,283 | 7,220,739 | 011328 / 0881                  |
| UM-07268 | 09/700,101 | 7,125,866 | 011328 / 0881                  |
| UM-07261 | 10/179,547 |           | 015315 / 0738                  |
| UM-07244 | 10/178,342 | 6,890,552 | 013928 / 0937                  |
| UM-07242 | 10/184,194 | 6,916,472 | 011048 / 0485                  |
| UM-07240 | 10/173,524 | 7,001,884 | 013327 / 0500                  |
| UM-07234 | 10/171,228 |           | 013326 / 0889                  |
| UM-07231 | 10/162,970 |           | 013259 / 0067                  |
| UM-07225 | 10/294,957 |           | 013938 / 0019                  |
| UM-07221 | 10/210,120 | 7,229,774 | 013610 / 0879                  |
| UM-07204 | 10/133,711 | 6,931,325 | 013396 / 0541                  |
| UM-07203 | 10/133,896 |           | 013129 / 0631                  |
| UM-07172 | 10/242,008 | 7,108,975 | 013843 / 0466                  |
| UM-07169 | 10/241,411 |           | 014615 / 0664<br>011484 / 0624 |
| UM-07160 | 10/285,824 |           | 014211 / 0753                  |

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| UM-06984 | 10/314,506 | 7,060,442 | 014079 / 0792  |
| UM-06983 | 10/123,435 | 6,902,933 | 013119 / 0858  |
| UM-06982 | 10/139,496 |           | 013285 / 0428  |
| UM-06968 | 10/149,736 | 6,869,777 | 013888 / 0427  |
| UM-06962 | 10/087,345 | 6,849,449 | 012965 / 0077  |
| UM-06889 | 10/099,382 | 7,211,654 | 013410 / 0032  |
| UM-06849 | 10/157,442 |           | 013341 / 0806<br>015289 / 0693   |
| UM-06692 | 10/007,047 |           | 012739 / 0881  |
| UM-06669 | 10/002,802 | 7,056,741 | 012816 / 0991  |
| UM-06636 | 09/968,930 |           | 014505 / 0964  |
| UM-06634 | 09/965,447 | 6,635,676 | 012498 / 0631  |
| UM-06617 | 09/960,454 | 6,897,067 | 012538 / 0721  |
| UM-06609 | 09/940,243 |           | 012510 / 0358  |
| UM-06518 | 09/898,178 | 6,417,384 | 008436/0437  |
| UM-06455 | 09/919,516 | 6,440,452 | 014354 / 0611  |
| UM-06440 | 08/443,982 |           | 007681 / 0308  |
| UM-06439 | 08/844,691 | 6,747,138 | PTO never provided frame and reel; assignments docs re-faxed to PTO on 9/6/07. |
| UM-06436 | 09/224,556 |           | 5918 / 250   |

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|----------|------------|-----------|---------------|
| UM-06435 | 08/826,577 |           | 5918 / 250    |
| UM-06421 | 08/591,605 | 6,060,238 | 008257 / 0411 |
| UM-06419 | 08/457,731 | 7,097,972 | 008169 / 0430 |
| UM-06419 | 08/457,731 | 7,097,972 | 008169 / 0430 |
| UM-06418 | 09/270,813 | 6,046,007 | 007469 / 0152 |
| UM-06418 | 09/270,813 | 6,046,007 | 007469 / 0152 |
| UM-06417 | 08/389,812 | 6,015,665 | 007469 / 0152 |
| UM-06411 | 08/313,200 | 5,998,153 | 007379 / 0281 |
| UM-06198 | 09/962,059 | 7,056,503 | 012727 / 0270 |
| UM-06191 | 09/867,924 |           | 012175 / 0312 |
| UM-06155 | 09/891,086 | 6,559,189 | 012255 / 0150 |
| UM-06106 | 09/778,496 | 7,069,151 | 012096 / 0706 |
| UM-04920 | 09/747,742 | 6,299,898 | 011420 / 0976 |
| UM-04496 | 09/613,170 | 7,018,841 | 009002 / 0783 |
| UM-04491 | 09/751,059 |           | 011669 / 0827 |
| UM-04408 | 09/574,377 | 6,573,370 | 011048 / 0485 |
| UM-04392 | 09/562,616 | 6,599,744 | 011679 / 0742 |
| UM-04391 | 09/561,111 | 6,506,803 | 011215 / 0567 |

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| UM-04389 | 09/248,093 | 6,426,184 | 014615 / 0664<br>011484 / 0624 |
| UM-04317 | 09/570,198 | 6,471,968 | 011046 / 0895                  |
| UM-04315 | 09/002,228 | 6,015,832 | 009489 / 0909                  |
| UM-04266 | 09/540,824 | 6,383,753 | 011008 / 0702                  |
| UM-04208 | 09/571,479 | 6,680,172 | 011040 / 0401                  |
| UM-03950 | 09/338,413 | 6,197,330 | 010232 / 0572                  |
| UM-03772 | 09/319,406 | 6,255,519 | 008436/0437                    |
| UM-03686 | 09/366,314 |           | 010400 / 0393                  |
| UM-03626 | 09/244,752 | 6,063,622 | 008460 / 0525                  |
| UM-03625 | 09/245,497 | 6,083,750 | 008460 / 0525                  |
| UM-02473 | 08/840,804 | 5,972,332 | 008853 / 0017                  |

The Regents of the University of Michigan, as Assignee of record of the entire right, title, and interest of each of the above-identified patents and patent applications, or an undivided interest in the entire right, title, and interest of the above-identified patents and patent applications, hereby revokes all previous powers of attorney and appoints:

**The practitioners associated with Customer Number 72960**

as its attorneys with full power of substitution to prosecute these applications and transact all business in the Patent and Trademark Office in connection therewith.

Please direct all future correspondence and telephone calls regarding this application to:

**The address associated with Customer Number 72960**

I hereby certify that the Assignment documents filed with each of these applications, or filed subsequent to the filing date of the application, have been reviewed and I hereby certify that, to the best of my knowledge and belief, title is with The Regents of the University of Michigan. A Statement under 37 C.F.R. 3.73(b) is included herewith.

Dated: 13 Sept 2007

By: Ruth L. Rasor

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Ruth L. Rasor  
Director of Licensing, UM Technology Transfer  
The Regents of the University of Michigan  
3003 S. State Street, Suite 2071  
Ann Arbor, Michigan 48109-1280

**STATEMENT UNDER 37 C.F.R. 3.73(b)**

The Regents of the University of Michigan states that it is the assignee of the entire right, title, and interest in the patents and patent applications listed above, or an undivided interest in the entire right, title, and interest in the patents and patent applications listed above, by virtue of assignments by each of the inventor(s) of these patents and patent applications. The assignments were recorded in the United States Patent and Trademark Office at the Reel and Frame Numbers indicated in the right-hand column.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Dated: 13 Sept 2007

By: Ruth L. Rasor

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Ruth L. Rasor  
Director of Licensing, UM Technology Transfer  
The Regents of the University of Michigan  
3003 S. State Street, Suite 2071  
Ann Arbor, Michigan 48109-1280